M/019/005

POTENTIAL FOR BRINE SEEPAGE ALONG ROCK FRACTURES, BRINE LAKE STORAGE AREA, CANE CREEK MINE, GRAND COUNTY, UTAH

MOAB SALT, INCORPORATED
MOAB, UTAH

Prepared by

EARTHFAX ENGINEERING, INC.
SALT LAKE CITY, UTAH

JUNE 26, 1989

RECEIVED
DEC 02 1997
DIV. OF OIL, GAS & MINING

TABLE OF CONTENTS

LIST OF FIGURES

RECEIVED
DEC 02 1997
DIV. OF OIL, GAS & MINING

TABLE OF CONTENTS (Continued)

RECEIVED
DEC 02 1997
DIV. OF OIL, GAS & MINING

Moab Salt Incorporated
Moab, Utah

POTENTIAL FOR BRINE SEEPAGE ALONG ROCK FRACTURES, BRINE LAKE STORAGE AREA, CANE CREEK MINE, GRAND COUNTY, UTAH

1.0 INTRODUCTION

This report presents results of a surficial geologic field investigation and a very-low-frequency electromagnetic (VLF-EM) survey of bedrock fractures at the Cane Creek Mine, Grand County, Utah (Figure 1). The emphasis of this report is directed toward a study of fractures which underlie Moab Salt's brine storage lake and those fractures associated with the brine lake dam abutments and spillway (Figure 2). This study was undertaken in response to written comments prepared (1/28/88) by the Utah Division of Oil, Gas and Mining (DOGM) concerning the potential of fractures which underlie the brine lake to transmit brine to off-site areas. Moab Salt, in written response (5/18/88) to DOGM comments, agreed to undertake additional study of faulted and fractured bedrock in the vicinity of the brine lake area to evaluate the potential for brine seepage toward the Colorado River.

This report is divided into four sections including this introduction. Sections 2 presents methods of data collection; whereas, Section 3 presents results and discussion of the investigation. Referenced literature is documented in Section 4.

RECEIVED
DEC 02 1997
DIV. OF OIL, GAS & MINING

M/019/005

PCS Potash MOAB

MOAB SALT, INC.
P.O. Box 1208, Moab, Utah 84532 • Office 801-259-7171 • FAX 801-259-7100

FAX MEMO

To: TONY GALLEGOS

From: Rick York
General Manager
PCS Potash - Moab Division

Number of Pages (including cover page): 5

Message:

JUNE 26, 1989 REPORT INFO - POTENTIAL FOR BRINE SEEPAGE ALONG ROCK FRACTURES

EARTHFAX ENGINEERING, INC.